

INDOPAC EXPEDITION

LEG 8

R/V THOMAS WASHINGTON

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH AND MAGNETIC DATA

Darwin, Australia (2 September 1976)

to

Apra, Guam (29 September 1976)

Chief Scientist - G. Shor

Resident Marine Tech - J. Coatsworth

Post-Cruise Processing by - S. Smith,

G. Psaropulos, R. Lingley

Prepared By

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

December 7, 1976

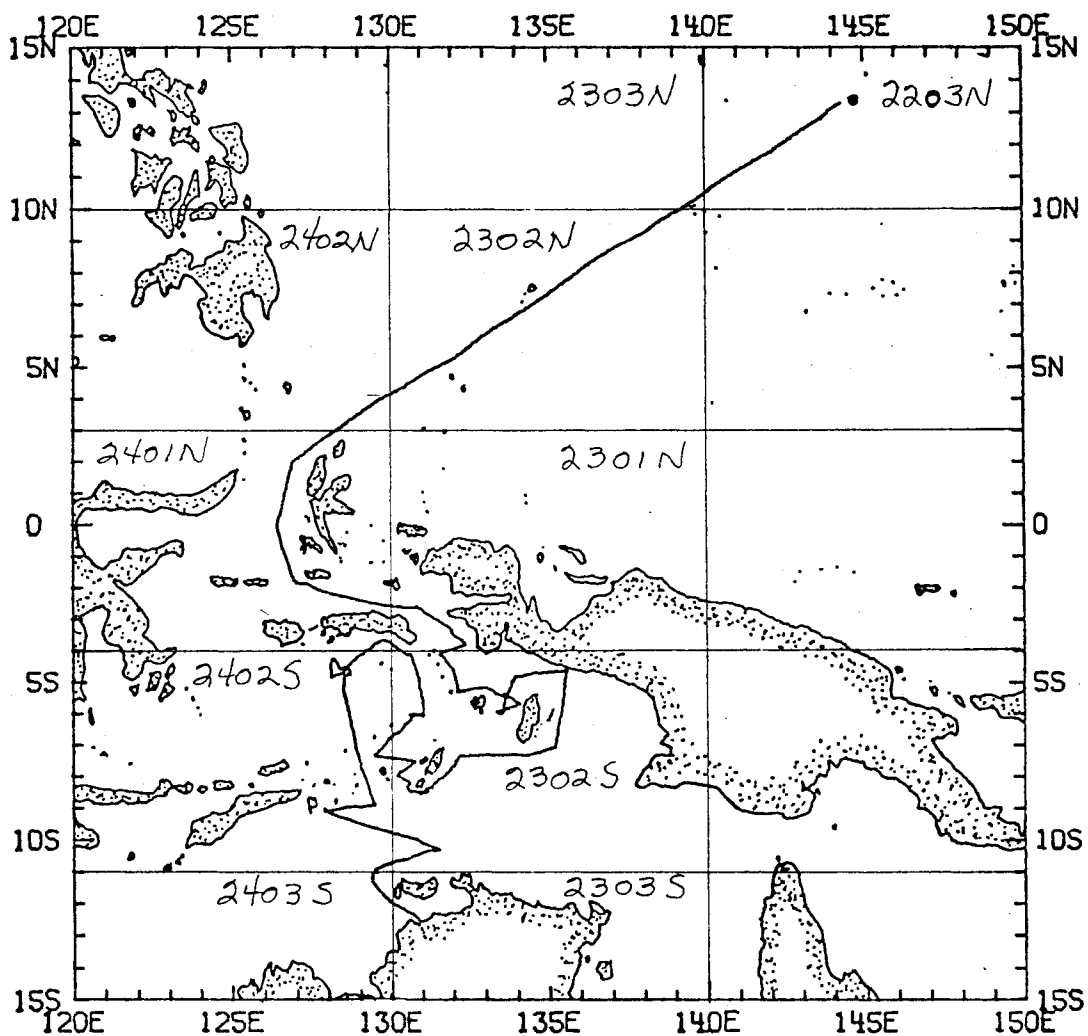
Formal Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

Contents:

- Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts - annotated with dates (day/month) and hour ticks. The scale (.3"/deg. long) is the same as the index charts of previous SIO cruises published as Report IMR TR-25.
- Profiles - Depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) records have a solid black line along the bottom of the profile.

For information on the availability and reproduction costs of data in the following forms, contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093 Phone: (714) 452-2752.

1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
 2. Depth compilation plots - in fathoms (assumed sound velocity of 800 fm./sec.) at approximately 1 mile spacing, plotted at 4" degree with standard U.S. Navy Oceanographic Office BC series boundaries (see index chart).
 3. Plots of magnetic anomaly profiles along track-map scale = 1.2"/degree; anomaly scale between 15°N and 15°S latitude = 500 gamma/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamma/inch) from values retrieved at approximately 1 mile spacing and regional field removed using the 1965 IGRF.
 4. Card Decks of navigation, depth and magnetics (for specific formats, contact S. M. Smith, Geological Data Center). Phone: (714) 452-2752
 5. S.I.O. Sample Index - list of beginning and end times and positions of all underway records as well as all other samples (geology, biology, physical oceanography, etc.) collected on the cruise leg.
 6. Microfilm or Xerox copies of:
 - a. Echosounder records - 12 and 3.5 kHz frequency
 - b. Subbottom profiler records (airgun)
 - c. Magnetometer records
 - d. Underway Data Log
-



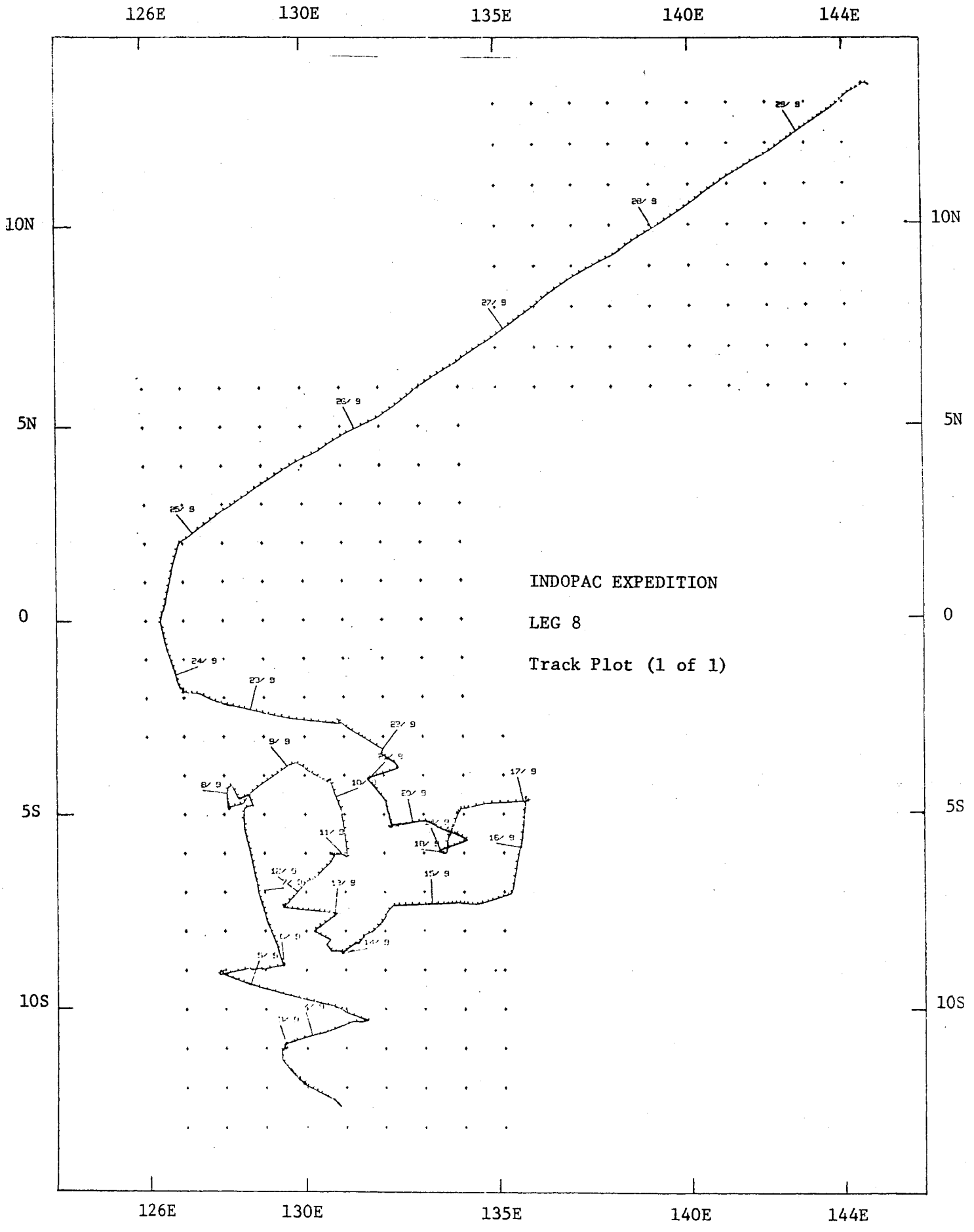
INDOPAC EXPEDITION
LEG 8

Chief Scientist: George Shor

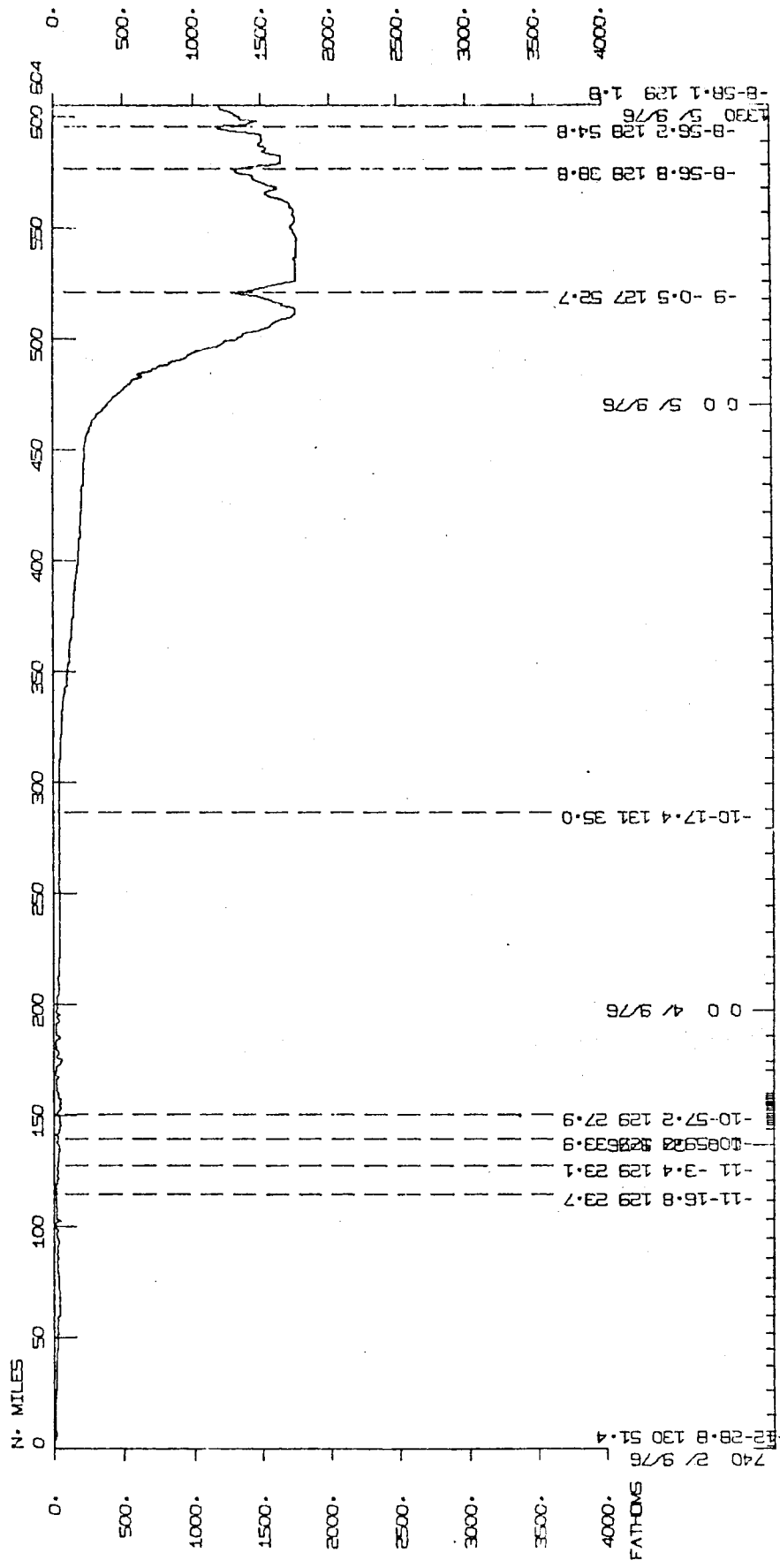
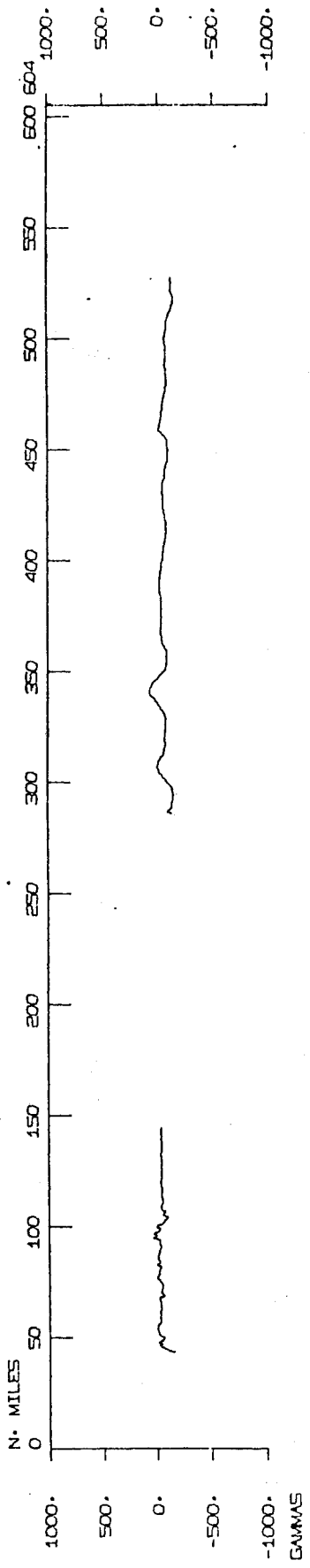
Ports: Darwin, Australia - Apra, Guam (2 September - 29 September 1976)

TOTAL MILEAGE

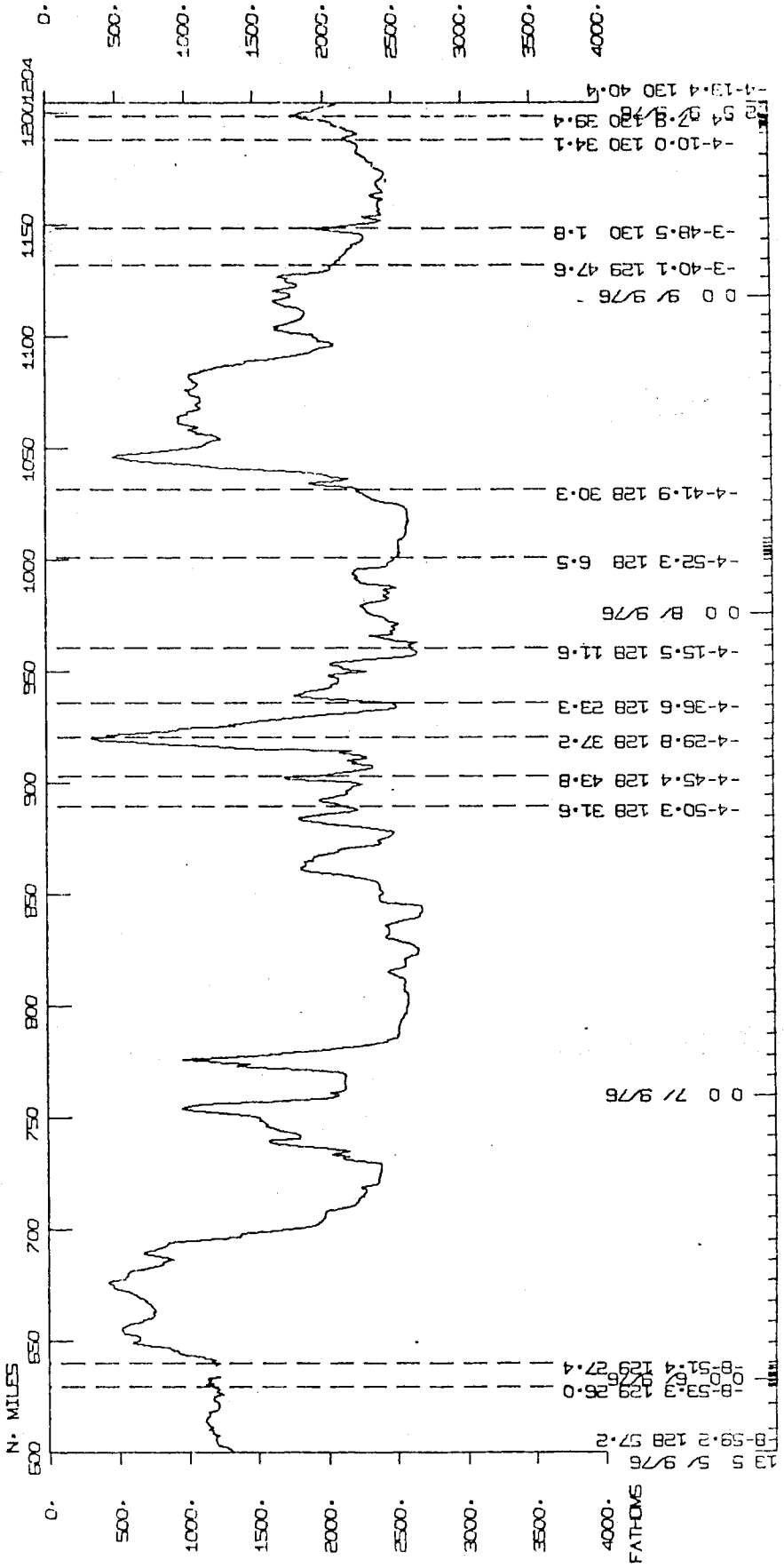
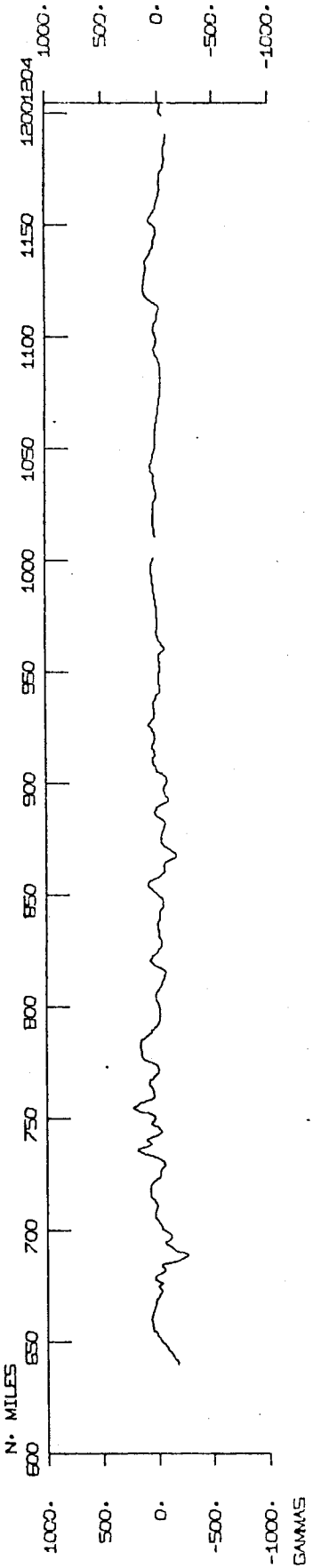
- 1) Cruise - 4639 miles
- 2) Bathymetry - 4588 miles
- 3) Magnetics - 3900 miles
- 4) Seismic Reflection - 3770 miles



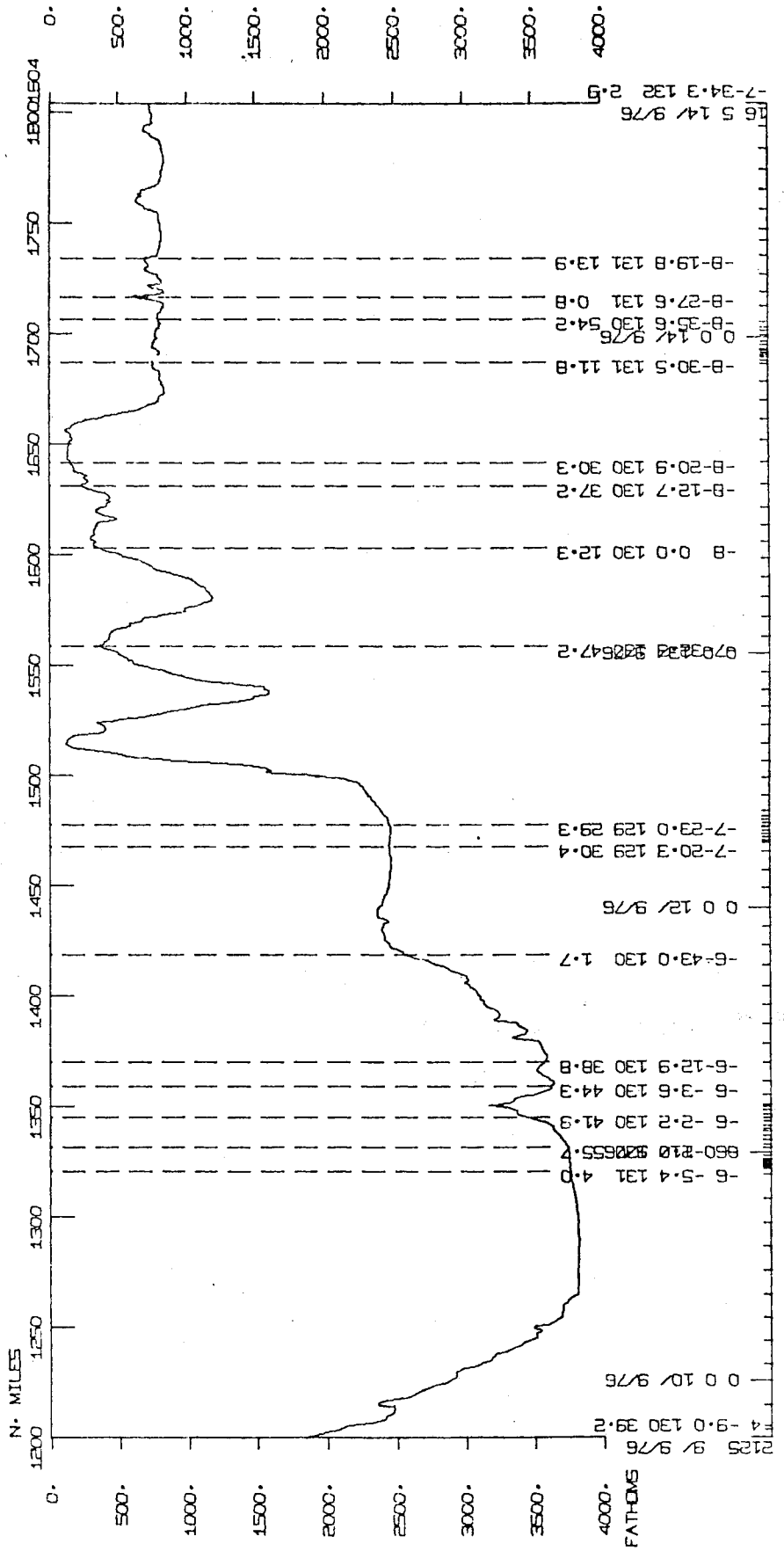
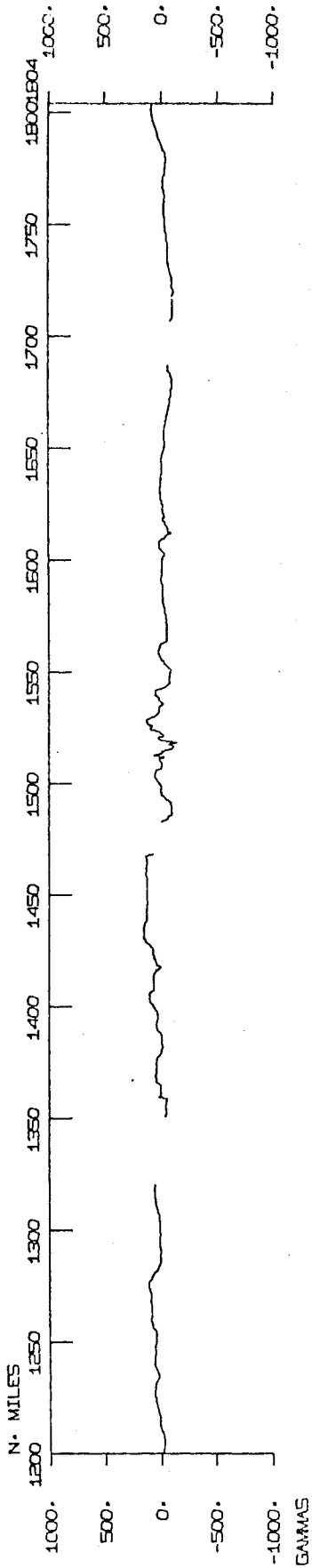
INDOPAC LEG B



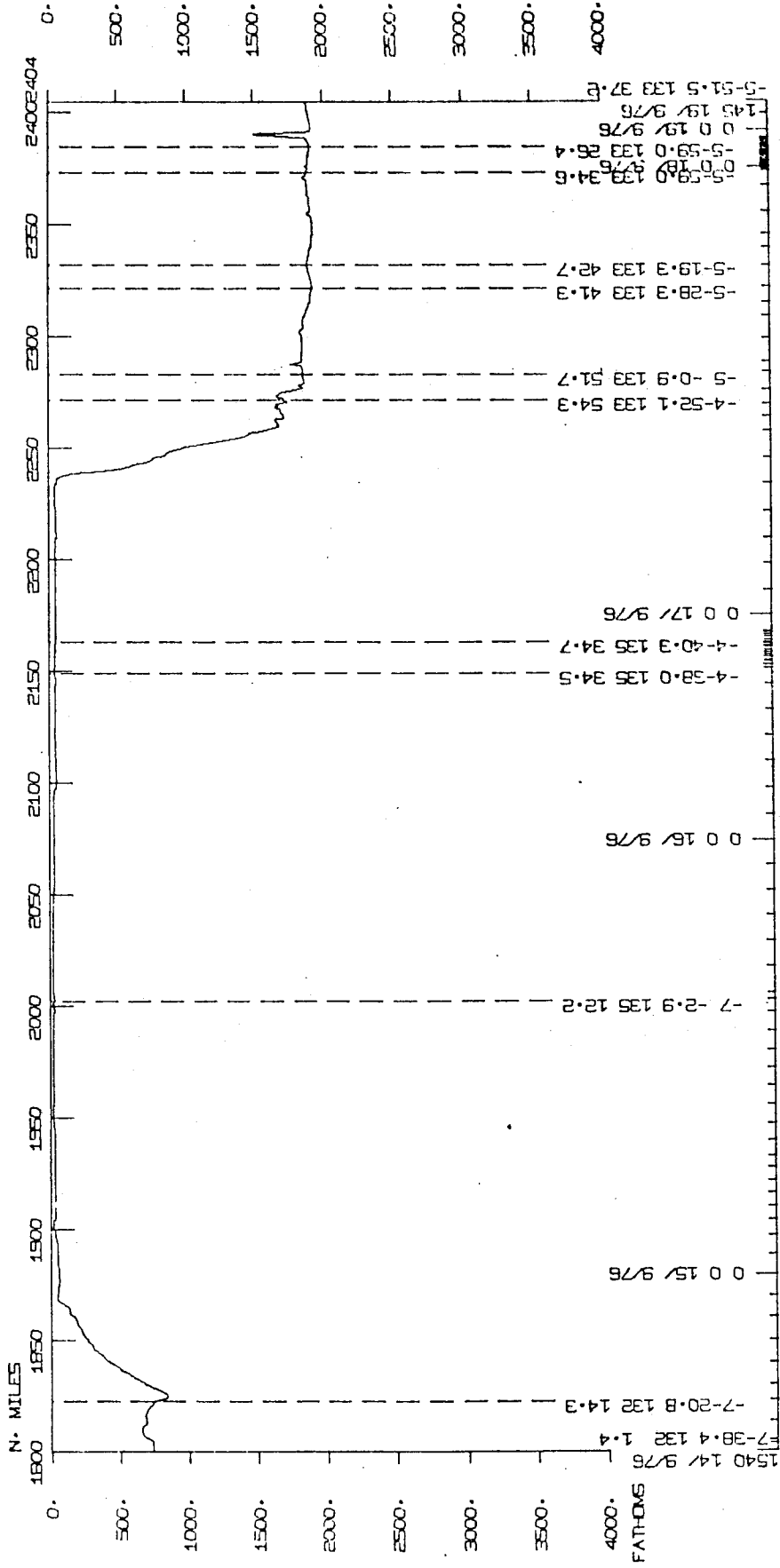
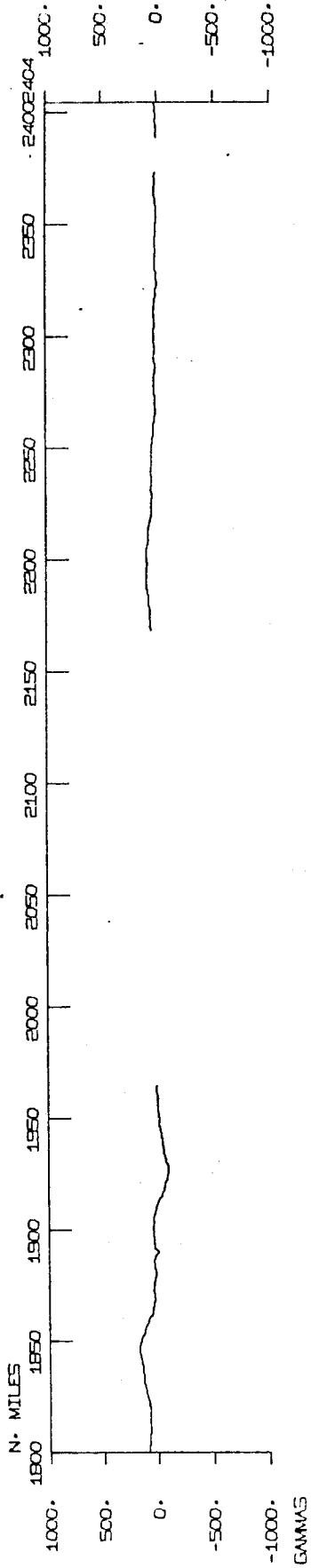
INDOPAC LEG 88



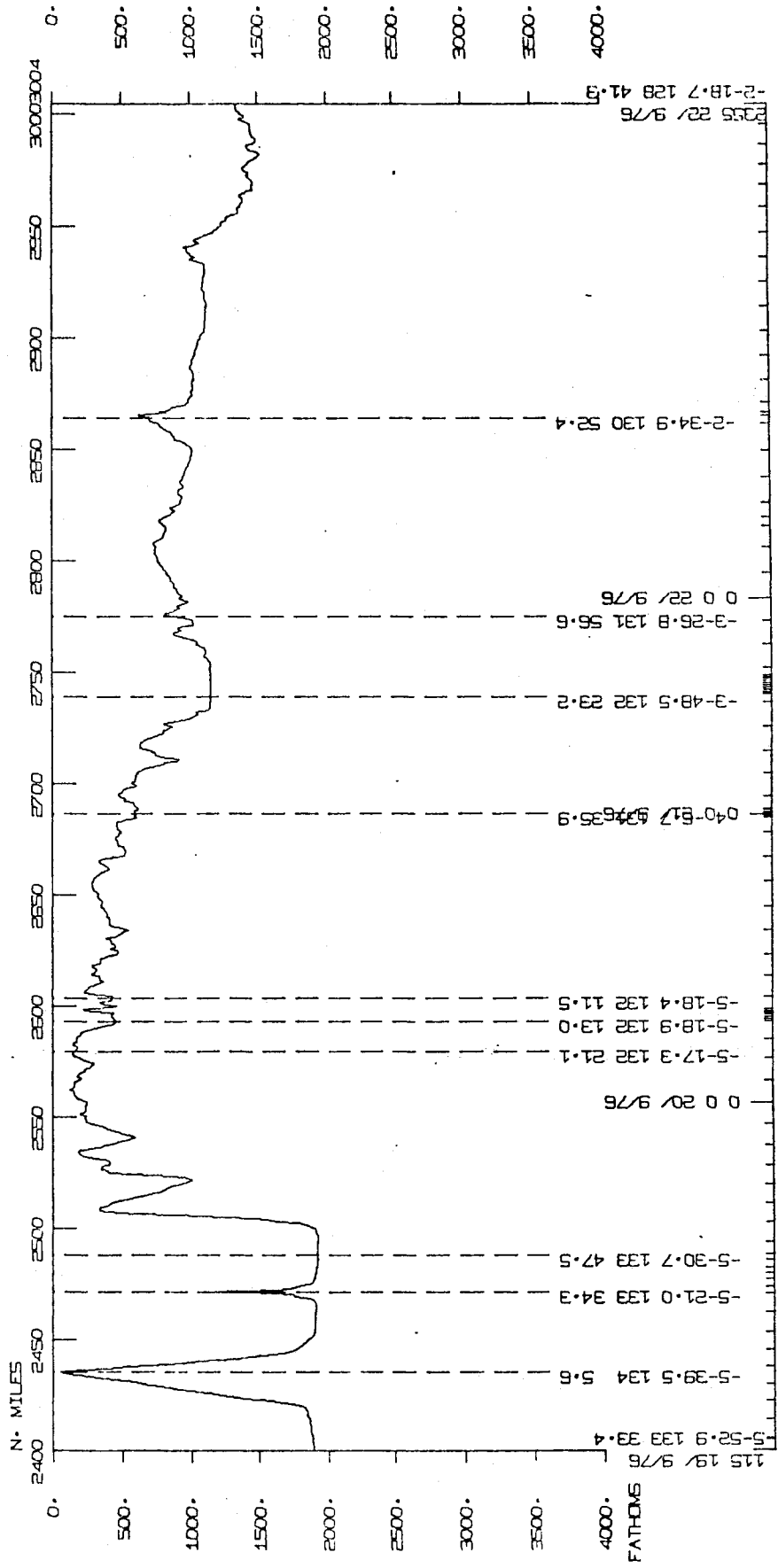
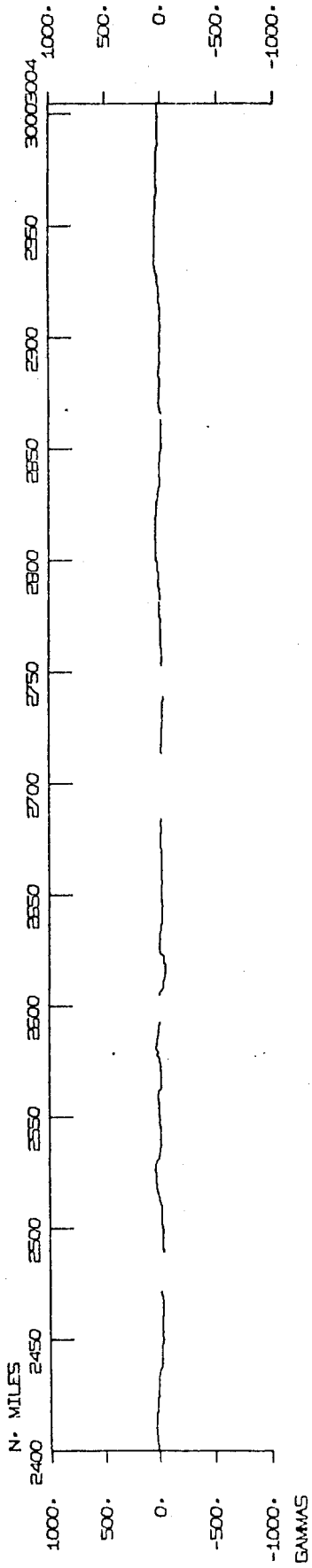
INDOPAC LEG 8



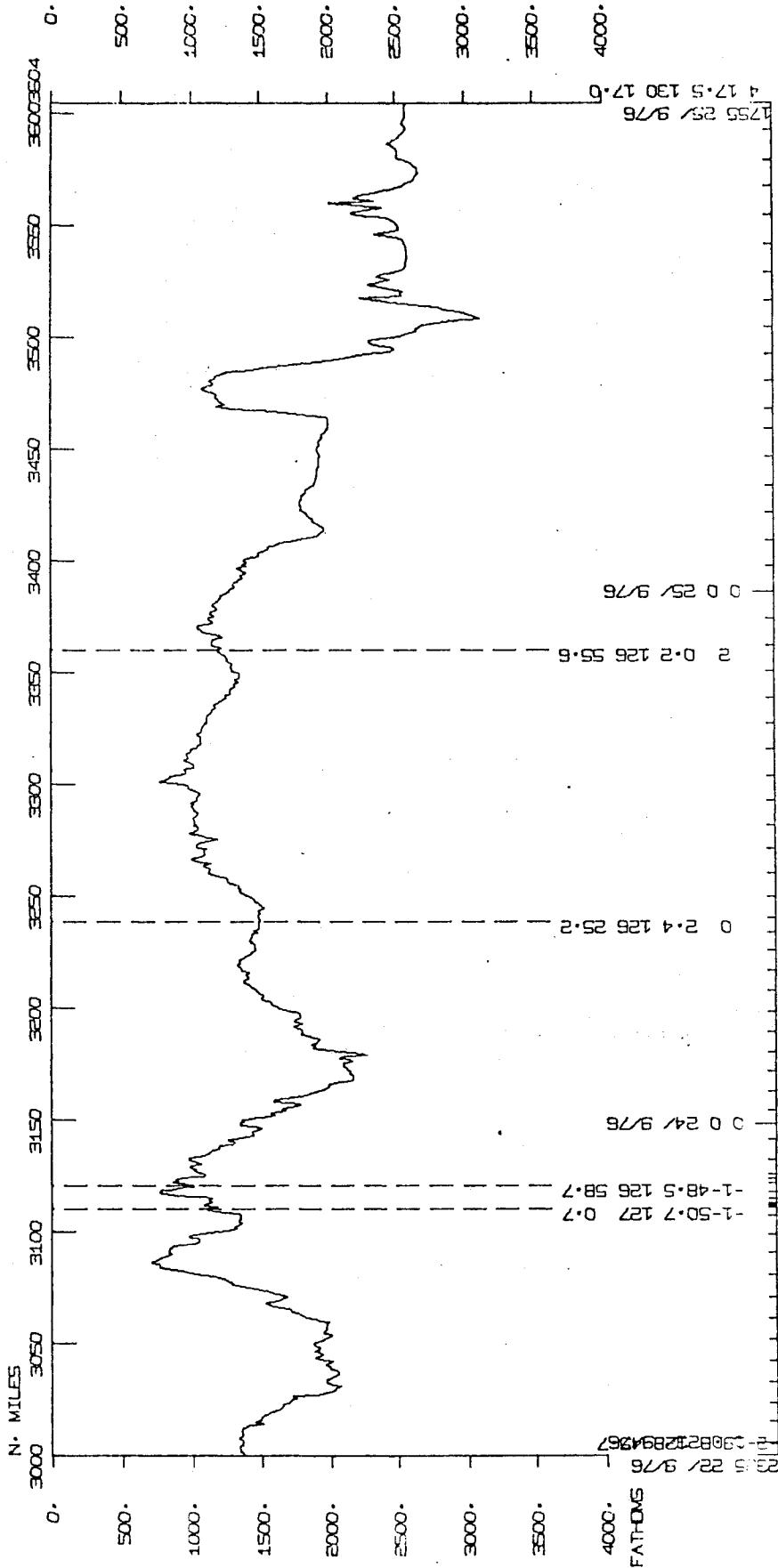
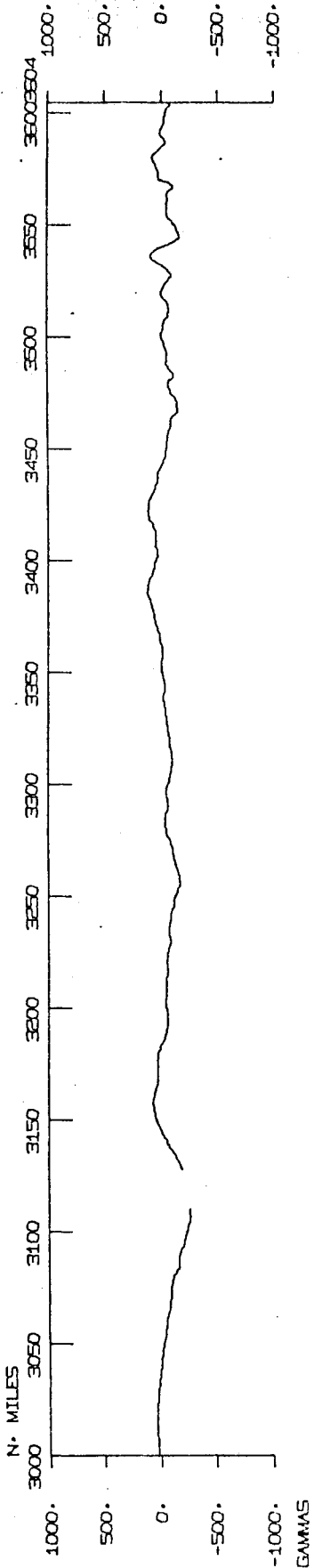
INDOPAC LEG B



INDOPAC LEG B



INDOPAC LEG B



1308212894267
03 22 / 976

0 0 24 976

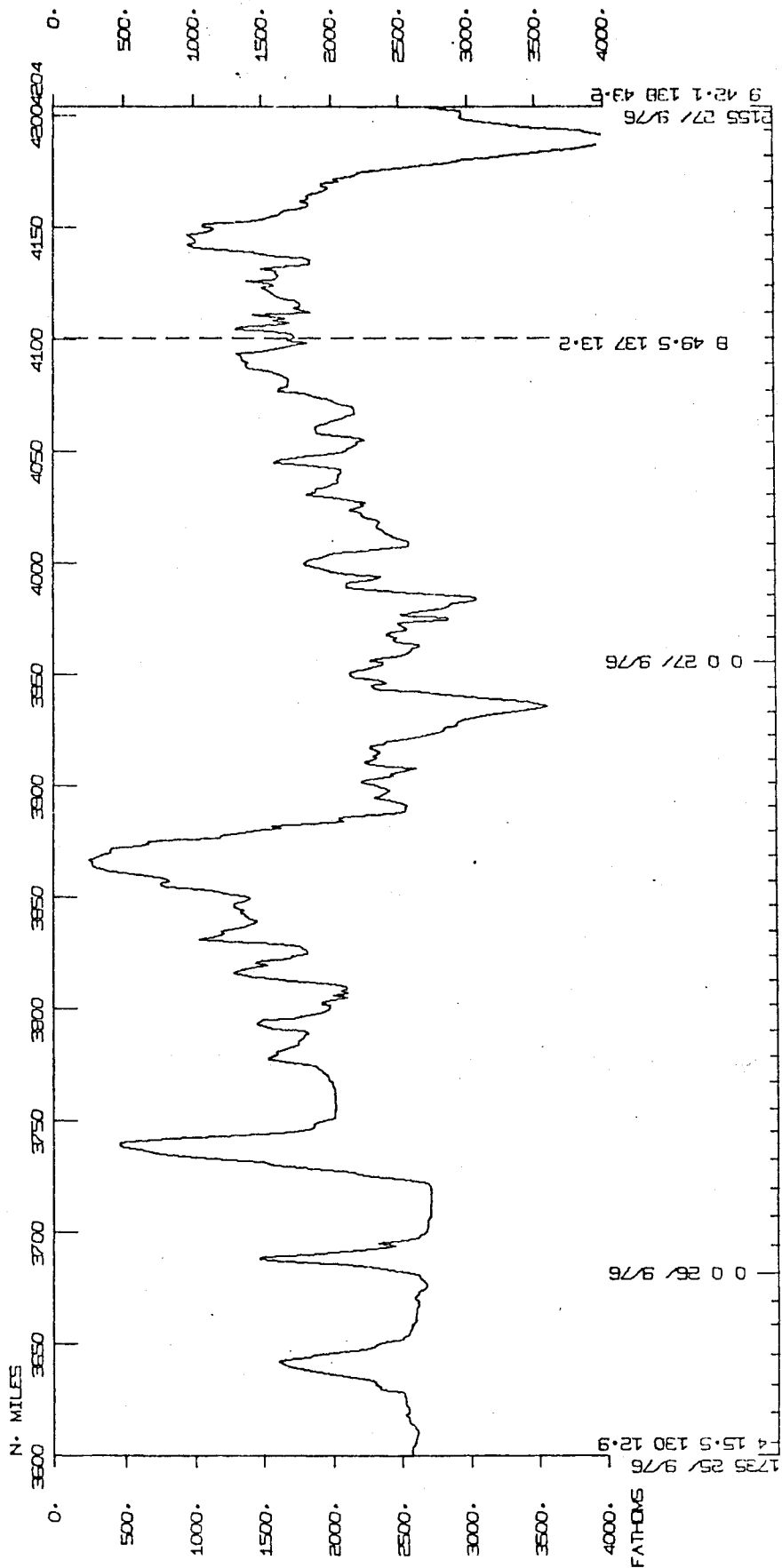
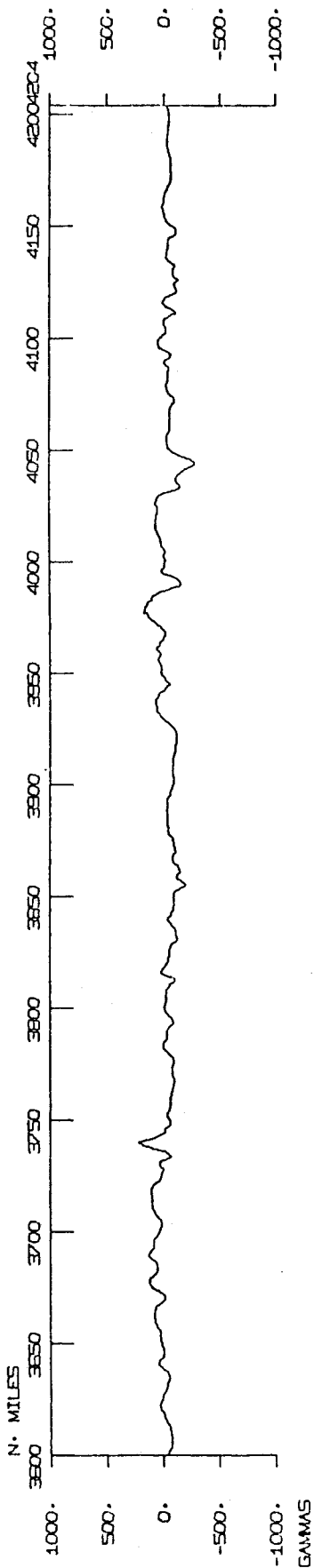
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2 0.2 126 55.6

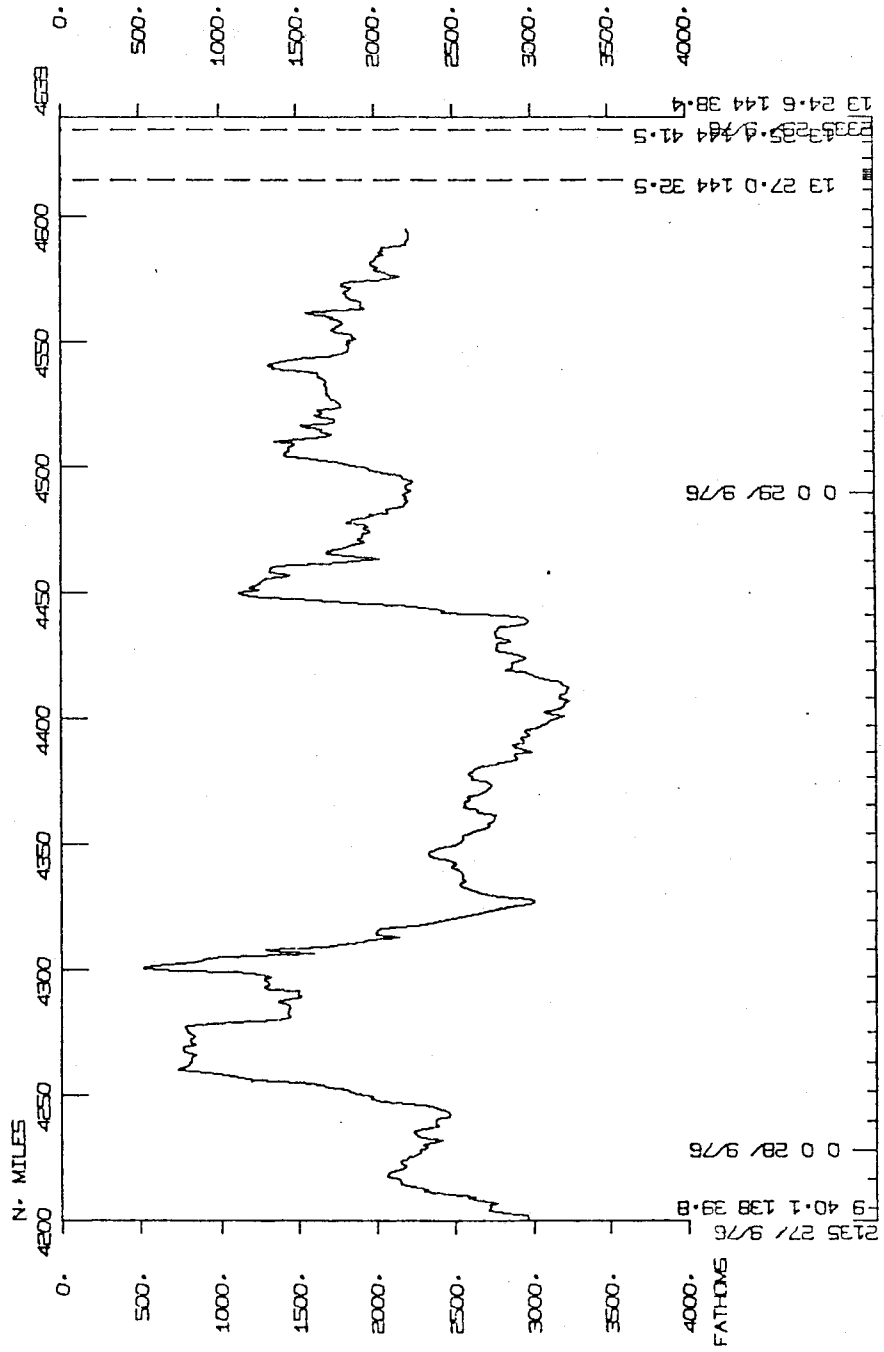
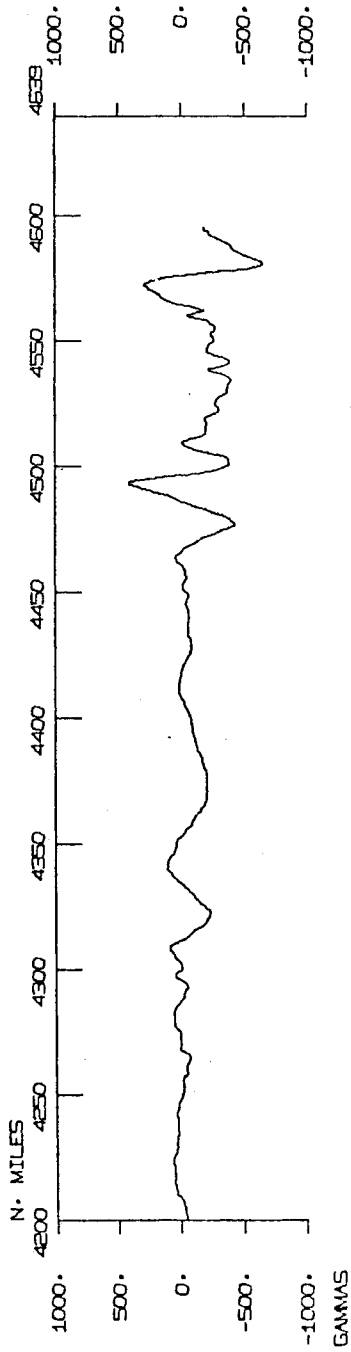
0 0 25 976

4 17.5 130 17.0
1255 25 / 976

INDOPAC LEG 8



INDOPAC LEG 8



2135 277 976
 19 40.1 139 39.8
 0 0 28/ 976
 0 0 29/ 976
 13 27.0 144 32.5
 13 25.2 144 41.5
 13 24.6 144 38.4



INDUPAC EXPEDITION LEG 8 SAMPLE INDEX

PORTS

0 2 976	LGPT B DARWIN, AUSTRALIA	12 230S 130 440E F	INDP08WT
2336 29 976	LGPT E APRA, GUAM	13 246N 144 343E F	INDP08WT

PERSONNEL

PECS	SHOR, G.	MPL	INDP08WT
PERT	COATSWORTH, J.	MTG	INDP08WT
PECT	MOE, R.	MTG	INDP08WT
PEAT	BATTEY, R.	MTG	INDP08WT
PEAT	MCKEE, J	MTG	INDP08WT
PEXN	BERRY, K.	SIX	INDP08WT
PES	CHAO, B.	SIO	INDP08WT
PEXN	DAS GUPTA, T.	SIX	INDP08WT
PE	FERREIRA, S.	DCP	INDP08WT
PES	JACOBSON, R.	SIO	INDP08WT
PEXN	JOYODIWIKYO, Y.	SIX	INDP08WT
PEXN	KARTA, K.	SIX	INDP08WT
PES	KIECKHEFER, R.	SIO	INDP08WT
PE	MCGOWAN, D.	MPL	INDP08WT
PE	MUUS, D.	DCP	INDP08WT
PE	ONEILL, P.	MPL	INDP08WT
PE	PHILLIPS, R.	SIX	INDP08WT
PE	RAITT, R.	MPL	INDP08WT
PEXN	RAO, B.	SIX	INDP08WT
PE	SHOR, E.	SIO	INDP08WT
PEXN	UTOMO, D.	SIX	INDP08WT

*** NOTE *** TIME ZONES AND MINUTES OF LATITUDE AND LONGITUDE ARE LISTED
IN TENTHS (E.G. 10.6 IS LISTED AS 106)

TIME	DATE	TIME	TZ	SAMP	DISP			PAGE
GMT	D.M.Y.	LOC	LOC	CODE	CODE	LAT.	LONG.	CRUISE
							LEG-SHIP	

UNDERWAY DATA - CURATOR S.M. SMITH (EXT.2752)

LOG BOOK

837	2	976		LBWU	B	UNDERWAY	LOG	GDC	12	271S	130	483E	S	INDP08WT
1300	29	976		LBWU	E	UNDERWAY	LOG	GDC	13	168N	144	166E	S	INDP08WT

*** NAVIGATION PLOTS ***

2	9762230	-95	NVBP	B	BRIDGE	PLOT	01	GDC	12	46S	130	141E	S	INDP08WT	
4	9761205	-90	NVBP	E	BRIDGE	PLOT	01	GDC	10	301S	130	437E	S	INDP08WT	
4	9761326	-90	NVBP	B	BRIDGE	PLOT	02	GDC	10	241S	130	588E	S	INDP08WT	
4	9762010	-90	NVBP	E	BRIDGE	PLOT	02	GDC	10	51S	131	1E	S	INDP08WT	
4	9762010	-90	NVBP	B	BRIDGE	PLOT	03	GDC	10	51S	131	1E	S	INDP08WT	
7	976	0	-90	NVBP	E	BRIDGE	PLOT	03	GDC	8	168S	129	157E	S	INDP08WT
7	976	210	-90	NVBP	B	BRIDGE	PLOT	04	GDC	7	583S	129	86E	S	INDP08WT
8	9761200	-90	NVBP	E	BRIDGE	PLOT	04	GDC	4	510S	128	63E	S	INDP08WT	
8	9762100	-90	NVBP	B	BRIDGE	PLOT	05	GDC	4	487S	128	87E	S	INDP08WT	
11	9761835	-90	NVBP	E	BRIDGE	PLOT	05	GDC	6	19S	130	416E	S	INDP08WT	
9	976	902	-90	NVBP	B	BRIDGE	PLOT	06	GDC	3	456S	129	345E	S	INDP08WT
9	9761504	-90	NVBP	E	BRIDGE	PLOT	06	GDC	4	11S	130	198E	S	INDP08WT	
11	9762153	-90	NVBP	B	BRIDGE	PLOT	07	GDC	6	15S	130	364E	S	INDP08WT	
13	9761438	-90	NVBP	E	BRIDGE	PLOT	07	GDC	7	598S	130	122E	S	INDP08WT	
13	9761522	-90	NVBP	B	BRIDGE	PLOT	08	GDC	8	28S	130	168E	S	INDP08WT	
14	9762200	-90	NVBP	E	BRIDGE	PLOT	08	GDC	7	580S	131	446E	S	INDP08WT	
14	9762200	-90	NVBP	B	BRIDGE	PLOT	09	GDC	7	580S	131	446E	S	INDP08WT	
18	9761200	-90	NVBP	E	BRIDGE	PLOT	09	GDC	5	598S	133	324E	S	INDP08WT	
19	976	810	-90	NVBP	B	BRIDGE	PLOT	10	GDC	5	580S	133	229E	S	INDP08WT
21	9761200	-90	NVBP	E	BRIDGE	PLOT	10	GDC	4	56S	131	354E	S	INDP08WT	
21	9761200	-90	NVBP	B	BRIDGE	PLOT	11	GDC	4	56S	131	354E	S	INDP08WT	
24	9761900	-90	NVBP	E	BRIDGE	PLOT	11	GDC	0	21S	126	243E	S	INDP08WT	
24	9761900	-90	NVBP	B	BRIDGE	PLOT	12	GDC	0	21S	126	243E	S	INDP08WT	
25	9761310	-90	NVBP	E	BRIDGE	PLOT	12	GDC	2	460N	127	556E	S	INDP08WT	
25	9761340	-90	NVBP	B	BRIDGE	PLOT	13	GDC	2	498N	128	9E	S	INDP08WT	
28	976	430	-10	NVBP	E	BRIDGE	PLOT	13	GDC	10	166N	139	393E	S	INDP08WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
28	976	400	-10	NVBP B	BRIDGE PLOT 14	GDC 10	134N	139 342E	S INDP08WT
29	976	500	-10	NVBP E	BRIDGE PLOT 14	GDC 12	342N	143 159E	S INDP08WT
29	976	238	-10	NVBP B	BRIDGE PLOT 15	GDC 12	237N	142 594E	S INDP08WT
29	976	2300	-10	NVBP E	BRIDGE PLOT 15	GDC 13	268N	144 368E	S INDP08WT
26	6	976		NVCP B	COMPUTER PLOT 01	GDC 8	540S	129 285E	S INDP08WT
1325	12	976		NVCP E	COMPUTER PLOT 01	GDC 7	231S	129 297E	S INDP08WT
1354	12	976		NVCP B	COMPUTER PLOT 02	GDC 7	233S	129 303E	S INDP08WT
400	18	976		NVCP E	COMPUTER PLOT 02	GDC 6	1S	133 322E	S INDP08WT
2238	18	976		NVCP B	COMPUTER PLOT 03	GDC 5	587S	133 232E	S INDP08WT
300	23	976		NVCP E	COMPUTER PLOT 03	GDC 2	127S	128 140E	S INDP08WT
400	23	976		NVCP B	COMPUTER PLOT 04	GDC 2	104S	128 49E	S INDP08WT
1400	25	976		NVCP E	COMPUTER PLOT 04	GDC 3	532N	129 333E	S INDP08WT
1500	25	976		NVCP B	COMPUTER PLOT 05	GDC 4	3N	129 442E	S INDP08WT
2300	29	976		NVCP E	COMPUTER PLOT 05	GDC 13	247N	144 415E	S INDP08WT

***FATHOGRAMS ***

839	2	976		DPRT B	GDR 12KHZ R-01	GDC 12	270S	130 482E	S INDP08WT
1602	4	976		DPRT E	GDR 12KHZ R-01	GDC 9	479S	130 104E	S INDP08WT
1605	4	976		DPRT B	GDR 12KHZ R-02	GDC 9	477S	130 98E	S INDP08WT
2120	4	976		DPRT E	GDR 12KHZ R-02	GDC 9	317S	129 96E	S INDP08WT
2134	4	976		DPRT B	GDR 12KHZ R-03	GDC 9	308S	129 68E	S INDP08WT
1955	6	976		DPRT E	GDR 12KHZ R-03	GDC 7	335S	129 5E	S INDP08WT
2045	6	976		DPRT B	GDR 12KHZ R-04	GDC 7	263S	128 585E	S INDP08WT
36	8	976		DPRT E	GDR 12KHZ R-04	GDC 4	324S	128 48E	S INDP08WT
850	2	976		DPR3 B	GDR 3.5KHZ R-01	GDC 12	264S	130 475E	S INDP08WT
306	6	976		DPR3 E	GDR 3.5KHZ R-01	GDC 8	540S	129 290E	S INDP08WT
323	6	976		DPR3 B	GDR 3.5KHZ R-02	GDC 8	539S	129 290E	S INDP08WT
1446	9	976		DPR3 E	GDR 3.5KHZ R-02	GDC 4	90S	130 365E	S INDP08WT
1502	9	976		DPR3 B	GDR 3.5KHZ R-03	GDC 4	90S	130 367E	S INDP08WT
720	12	976		DPR3 E	GDR 3.5KHZ R-03	GDC 7	199S	129 274E	S INDP08WT
726	12	976		DPR3 B	GDR 3.5KHZ R-04	GDC 7	200S	129 276E	S INDP08WT
420	15	976		DPR3 E	GDR 3.5KHZ R-04	GDC 7	172S	133 445E	S INDP08WT

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423	15	976		DPR3 B	GDR 3.5KHZ R-05	GDC 7	172S	133 449E	S INDP08WT
620	18	976		DPR3 E	GDR 3.5KHZ R-05	GDC 6	9S	133 319E	S INDP08WT
627	18	976		DPR3 B	GDR 3.5KHZ R-06	GDC 6	10S	133 319E	S INDP08WT
438	21	976		DPR3 E	GDR 3.5KHZ R-06	GDC 4	40S	131 368E	S INDP08WT
440	21	976		DPR3 B	GDR 3.5KHZ R-07	GDC 4	38S	131 371E	S INDP08WT
1106	24	976		DPR3 E	GDR 3.5KHZ R-07	GDC 0	46N	126 262E	S INDP08WT
1115	24	976		DPR3 B	GDR 3.5KHZ R-08	GDC 0	59N	126 264E	S INDP08WT
1600	27	976		DPR3 E	GDR 3.5KHZ R-08	GDC 9	59N	137 443E	S INDP08WT
1601	27	976		DPR3 B	GDR 3.5KHZ R-09	GDC 9	59N	137 445E	S INDP08WT
1312	29	976		DPR3 E	GDR 3.5KHZ R-09	GDC 13	173N	144 174E	S INDP08WT

MAGNETOMETER

1245	2	976		MGR B	MAGNETICS R-01	GDC 12	50S	130 150E	S INDP08WT
805	23	976		MGR E	MAGNETICS R-01	GDC 1	558S	127 282E	S INDP08WT
830	23	976		MGR B	MAGNETICS R-02	GDC 1	538S	127 244E	S INDP08WT
1300	29	976		MGR E	MAGNETICS R-02	GDC 13	168N	144 166E	S INDP08WT

*** SEISMIC REFLECTION PROFILES ***

1258	2	976		SPRS B	AIRGUN (RS) R-01	GDC 12	47S	130 143E	S INDP08WT
752	9	976		SPRS E	AIRGUN (RS) R-01	GDC 4	93S	130 330E	S INDP08WT
2136	9	976		SPRS B	AIRGUN (RS) R-02	GDC 4	95S	130 392E	S INDP08WT
2201	28	976		SPRS E	AIRGUN (RS) R-02	GDC 12	77N	142 347E	S INDP08WT
1258	2	976		SPRF B	AIRGUN (RF) R-01	GDC 12	47S	130 143E	S INDP08WT
721	15	976		SPRF E	AIRGUN (RF) R-01	GDC 7	176S	134 21E	S INDP08WT
2311	16	976		SPRF B	AIRGUN (RF) R-02	GDC 4	387S	135 371E	S INDP08WT
2200	28	976		SPRF E	AIRGUN (RF) R-02	GDC 12	76N	142 346E	S INDP08WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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GRAVIMETRIC RECORDS CURATOR L.M. DORMAN (EXT.2406)

857	2	976		GVR B	GRAV. ANALOGUE	R-01	LMD 12	260S 130 471E	S INDP08WT
1323	6	976		GVR E	GRAV. ANALOGUE	R-01	LMD 8	308S 129 201E	S INDP08WT
1337	6	976		GVR B	GRAV. ANALOGUE	R-02	LMD 8	286S 129 201E	S INDP08WT
1845	11	976		GVR E	GRAV. ANALOGUE	R-02	LMD 6	294S 130 222E	S INDP08WT
1855	11	976		GVR B	GRAV. ANALOGUE	R-03	LMD 6	305S 130 214E	S INDP08WT
1956	16	976		GVR E	GRAV. ANALOGUE	R-03	LMD 4	404S 135 366E	S INDP08WT
2004	16	976		GVR B	GRAV. ANALOGUE	R-04	LMD 4	404S 135 368E	S INDP08WT
100	22	976		GVR E	GRAV. ANALOGUE	R-04	LMD 3	135S 131 492E	S INDP08WT
106	22	976		GVR B	GRAV. ANALOGUE	R-05	LMD 3	129S 131 482E	S INDP08WT
540	27	976		GVR E	GRAV. ANALOGUE	R-05	LMD 8	32N 136 27E	S INDP08WT
545	27	976		GVR B	GRAV. ANALOGUE	R-06	LMD 8	38N 136 35E	S INDP08WT
500	30	976		GVR E	GRAV. ANALOGUE	R-06	LMD 13	247N 144 383E	S INDP08WT

CORES - CURATOR W. RIEDEL (EXT. 4386)

2356	5	976		COG	INDP 027		1135	GCR 8 542S 129 280E	S INDP08WT
432	8	976		COG	INDP 028		2528	GCR 4 527S 128 72E	S INDP08WT
1035	9	976		COG	INDP 029		2156	GCR 4 92S 130 354E	S INDP08WT
1610	10	976		COG	INDP 030		3751	GCR 6 56S 131 23E	S INDP08WT
710	12	976		COG	INDP 031		2452	GCR 7 199S 129 275E	S INDP08WT
1855	13	976		COG	INDP 032		0804	GCR 8 312S 131 82E	S INDP08WT
856	16	976		COG	INDP 033		0035	GCR 4 363S 135 323E	S INDP08WT
2251	17	976		COG	INDP 034		1880	GCR 5 594S 133 338E	S INDP08WT
415	20	976		COG	INDP 035		0442	GCR 5 191S 132 128E	S INDP08WT
2322	20	976		COG	INDP 036		0584	GCR 4 70S 131 368E	S INDP08WT
1328	21	976		COG	INDP 037		1143	GCR 3 459S 132 213E	S INDP08WT

HEAT FLOW LARRY LAWVER (EXT. 3356)

131	6	976		HF2M	INDP 08 12HF		LAW 8	544S 129 289E	S INDP08WT
809	8	976		HF2M	INDP 08 13HF		LAW 4	522S 128 74E	S INDP08WT
2036	10	976		HF2M	INDP 08 14HF		LAW 6	46S 131 8E	S INDP08WT
956	12	976		HF2M	INDP 08 15HF		LAW 7	219S 129 294E	S INDP08WT
2015	13	976		HF2M	INDP 08 16HF		LAW 8	315S 131 74E	S INDP08WT
209	18	976		HF2M	INDP 08 17HF		LAW 5	595S 133 324E	S INDP08WT
1515	21	976		HF2M	INDP 08 18HF		LAW 3	448S 132 202E	S INDP08WT

TIME GMT	DATE D.M.Y.	TIME TZ LUC LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
*** SEISMIC REFRACTION STATION ***								
633	3	976		SRST B REFRACTION STA. 01	DDM 10	574S	129 279E	S INDP08WT
1720	3	976		SRST E REFRACTION STA. 01	DDM 10	544S	129 308E	S INDP08WT
2028	3	976		SRST B REFRACTION STA. 02	DDM 10	512S	129 366E	S INDP08WT
717	4	976		SRST E REFRACTION STA. 02	DDM 10	176S	131 315E	S INDP08WT
641	5	976		SRST B REFRACTION STA. 03	DDM 9	74S	127 526E	S INDP08WT
1530	5	976		SRST E REFRACTION STA. 03	DDM 8	535S	129 239E	S INDP08WT
2310	5	976		SRST B REFRACTION STA. 04	DDM 8	542S	129 278E	S INDP08WT
710	6	976		SRST E REFRACTION STA. 04	DDM 8	522S	129 288E	S INDP08WT
457	8	976		SRST B REFRACTION STA. 05	DDM 4	528S	128 74E	S INDP08WT
1050	8	976		SRST E REFRACTION STA. 05	DDM 4	501S	128 83E	S INDP08WT
134	9	976		SRST B REFRACTION STA. 06	DDM 3	407S	129 463E	S INDP08WT
730	9	976		SRST E REFRACTION STA. 06	DDM 4	90S	130 327E	S INDP08WT
1000	9	976		SRST B REFRACTION STA. 07	DDM 4	93S	130 353E	S INDP08WT
1935	9	976		SRST E REFRACTION STA. 07	DDM 4	79S	130 389E	S INDP08WT
2158	9	976		SRST B REFRACTION STA. 08	DDM 4	121S	130 399E	S INDP08WT
900	10	976		SRST E REFRACTION STA. 08	DDM 6	42S	131 41E	S INDP08WT
35	11	976		SRST B REFRACTION STA. 09	DDM 6	27S	130 567E	S INDP08WT
1020	11	976		SRST E REFRACTION STA. 09	DDM 6	18S	130 402E	S INDP08WT
1500	11	976		SRST B REFRACTION STA. 10	DDM 6	52S	130 432E	S INDP08WT
305	12	976		SRST E REFRACTION STA. 10	DDM 7	192S	129 313E	S INDP08WT
540	12	976		SRST B REFRACTION STA. 11	DDM 7	211S	129 292E	S INDP08WT
1405	12	976		SRST E REFRACTION STA. 11	DDM 7	234S	129 306E	S INDP08WT
1650	13	976		SRST B REFRACTION STA. 12	DDM 8	309S	131 107E	S INDP08WT
230	14	976		SRST E REFRACTION STA. 12	DDM 8	338S	130 581E	S INDP08WT
430	14	976		SRST B REFRACTION STA. 13	DDM 8	342S	130 554E	S INDP08WT
1745	14	976		SRST E REFRACTION STA. 13	DDM 7	217S	132 131E	S INDP08WT
1755	15	976		SRST B REFRACTION STA. 14	DDM 6	599S	135 131E	S INDP08WT
620	16	976		SRST E REFRACTION STA. 14	DDM 4	386S	135 342E	S INDP08WT
1015	16	976		SRST B REFRACTION STA. 15	DDM 4	352S	135 321E	S INDP08WT
2140	16	976		SRST E REFRACTION STA. 15	DDM 4	395S	135 373E	S INDP08WT

TIME GMT	DATE D.M.Y.	TIME TZ LOC LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
950	17	976	SRST B	REFRACTION STA. 16	DDM	4 538S	133 558E	S INDP08WT
1921	17	976	SRST E	REFRACTION STA. 16	DDM	5 347S	133 378E	S INDP08WT
2330	17	976	SRST B	REFRACTION STA. 17	DDM	5 593S	133 334E	S INDP08WT
2110	18	976	SRST E	REFRACTION STA. 17	DDM	5 588S	133 247E	S INDP08WT
552	20	976	SRST B	REFRACTION STA. 18	DDM	5 198S	132 115E	S INDP08WT
1030	20	976	SRST E	REFRACTION STA. 18	DDM	5 196S	132 93E	S INDP08WT
1320	20	976	SRST B	REFRACTION STA. 19	DDM	5 153S	132 105E	S INDP08WT
2025	20	976	SRST E	REFRACTION STA. 19	DDM	4 78S	131 390E	S INDP08WT
110	21	976	SRST B	REFRACTION STA. 20	DDM	4 67S	131 358E	S INDP08WT
350	21	976	SRST E	REFRACTION STA. 20	DDM	4 50S	131 352E	S INDP08WT
953	21	976	SRST B	REFRACTION STA. 21	DDM	3 480S	132 232E	S INDP08WT
1855	21	976	SRST E	REFRACTION STA. 21	DDM	3 418S	132 186E	S INDP08WT
2045	21	976	SRST B	REFRACTION STA. 22	DDM	3 410S	132 168E	S INDP08WT
1930	22	976	SRST E	REFRACTION STA. 22	DDM	2 281S	129 208E	S INDP08WT
1220	24	976	SRST B	REFRACTION STA. 23	DDM	0 161N	126 299E	S INDP08WT
1410	24	976	SRST E	REFRACTION STA. 23	DDM	0 353N	126 346E	S INDP08WT
2349	24	976	SRST B	REFRACTION STA. 24	DDM	2 143N	127 148E	S INDP08WT
230	25	976	SRST E	REFRACTION STA. 24	DDM	2 336N	127 395E	S INDP08WT
455	25	976	SRST B	REFRACTION STA. 25	DDM	2 515N	128 36E	S INDP08WT
635	25	976	SRST E	REFRACTION STA. 25	DDM	3 25N	128 207E	S INDP08WT
1650	25	976	SRST B	REFRACTION STA. 26	DDM	4 111N	130 39E	S INDP08WT
1815	25	976	SRST E	REFRACTION STA. 26	DDM	4 195N	130 210E	S INDP08WT
2340	25	976	SRST B	REFRACTION STA. 27	DDM	4 543N	131 199E	S INDP08WT
441	26	976	SRST E	REFRACTION STA. 27	DDM	5 249N	132 156E	S INDP08WT

DATA COLLECTION AND PROCESSING GROUP - F. WILKES (EXT.2087)

HYDROGRAPHIC CAST

5	9761157	-90	HCNA	TSON	10 8	DCP	9 125S	128 114E	S INDP08WT	
5	9761316	-90	HCNA	TSON	1S18	DCP	9 73S	128 4E	S INDP08WT	
9	9762200	-90	HCNA	TSON	2S20	DCP	4 91S	130 357E	S INDP08WT	
9	9762322	-90	HCNA	TSON	2D 4	DCP	4 91S	130 363E	S INDP08WT	
10	9761941	-90	HCNA	TSON	3D20	DCP	6 60S	131 31E	S INDP08WT	
10	9762309	-90	HCNA	TSON	3S20	DCP	6 59S	131 27E	S INDP08WT	
10	976 49	-90	HCNA	TSON	GRAV CORE	3 3	DCP	4 88S	130 370E	S INDP08WT
13	976 117	-90	HCNA	TSON	4S17	DCP	7 253S	129 421E	S INDP08WT	
13	976 241	-90	HCNA	TSON	4D 5	DCP	7 266S	129 528E	S INDP08WT	

TIME	DATE	TIME	TZ	SAMP	DISP	09DEC76 PAGE 7			
GMT	U.M.Y.	LOC	LOC	CODE	CODE	LAT.	LONG.	CRUISE	LEG-SHIP

18	9761310	-90	HCNA	TSON	5D18	DCP 6	2S 133	322E S	INDP08WT
18	9761458	-90	HCNA	TSON	5S15	DCP 6	8S 133	319E S	INDP08WT
20	9761533	-90	HCNA	TSON	6 19	DCP 5	200S 132	109E S	INDP08WT
21	9761944	-90	HCNA	TSON	7D 8	DCP 3	475S 132	230E S	INDP08WT
21	9762121	-90	HCNA	TSON	7S18	DCP 3	466S 132	222E S	INDP08WT

SALINITY, TEMPERATURE, DEPTH

223	6 976		TDDT	1D	1 2135M	S 8	DCP 8	542S 129	289E S	INDP08WT
349	6 976		TDDT	1S	3 1000M	S18	DCP 8	538S 129	289E S	INDP08WT
1223	9 976		TDDT	2S	4 1500M	S20	DCP 4	90S 130	358E S	INDP08WT
1335	9 976		TDDT	2D	6 3905M	S 4	DCP 4	91S 130	360E S	INDP08WT
921	10 976		TDDT	3D	7 6000M	S20	DCP 6	55S 131	38E S	INDP08WT
1340	10 976		TDDT	3S	8 1200M	S20	DCP 6	60S 131	28E S	INDP08WT
1525	13 976		TDDT	4S	9 1620M	S17	DCP 8	307S 131	118E S	INDP08WT
1716	13 976		TDDT	4D	10 1605M	S 5	DCP 8	308S 131	101E S	INDP08WT
313	18 976		TDDT	5D	11 3560M	S18	DCP 5	598S 133	324E S	INDP08WT
537	18 976		TDDT	5S	12 0600M	S15	DCP 6	7S 133	320E S	INDP08WT
559	20 976		TDDT	6	13 0780M	S19	DCP 5	198S 132	114E S	INDP08WT
1012	21 976		TDDT	7D	16 2130M	S 8	DCP 3	478S 132	232E S	INDP08WT
1148	21 976		TDDT	7S	18 1000M	S18	DCP 3	469S 132	226E S	INDP08WT

INVERTEBRATE BIOLOGY-CURATOR ABRAHAM FLEMINGER (EXT. 2071)

*** SURFACE NET ***

3	976 959	-90	SNNU	INDP 08	TOW 01	MIC 11	8S 129	302E S	INDP08WT
4	976 606	-90	SNNU	INDP 08	TOW 02	MIC 10	487S 129	428E S	INDP08WT
5	9761023	-90	SNNU	INDP 08	TOW 03	MIC 9	166S 128	239E S	INDP08WT
5	9761511	-90	SNNU	INDP 08	TOW 04	MIC 9	61S 127	518E S	INDP08WT
6	9761940	-90	SNNU	INDP 08	TOW 05	MIC 8	520S 129	282E S	INDP08WT
7	9761845	-90	SNNU	INDP 08	TOW 06	MIC 5	264S 128	319E S	INDP08WT
8	976 733	-90	SNNU	INDP 08	TOW 07	MIC 4	175S 128	71E S	INDP08WT
8	9761211	-90	SNNU	INDP 08	TOW 08	MIC 4	520S 128	64E S	INDP08WT
9	976 747	-90	SNNU	INDP 08	TOW 09	MIC 3	519S 129	268E S	INDP08WT
10	976 601	-90	SNNU	INDP 08	TOW 10	MIC 4	79S 130	394E S	INDP08WT
10	9761808	-90	SNNU	INDP 08	TOW 11	MIC 6	49S 131	41E S	INDP08WT
12	9761228	-90	SNNU	INDP 08	TOW 12	MIC 7	199S 129	310E S	INDP08WT
14	9761750	-90	SNNU	INDP 08	TOW 13	MIC 8	196S 131	204E S	INDP08WT
15	9761626	-90	SNNU	INDP 08	TOW 14	MIC 7	177S 134	25E S	INDP08WT
16	9762040	-90	SNNU	INDP 08	TOW 15	MIC 4	346S 135	320E S	INDP08WT
17	9761615	-90	SNNU	INDP 08	TOW 16	MIC 4	505S 134	53E S	INDP08WT
18	976 448	-90	SNNU	INDP 08	TOW 17	MIC 5	397S 133	365E S	INDP08WT
19	976 801	-90	SNNU	INDP 08	TOW 18	MIC 5	584S 133	230E S	INDP08WT
20	976 119	-90	SNNU	INDP 08	TOW 19	MIC 5	306S 133	466E S	INDP08WT
21	9761811	-90	SNNU	INDP 08	TOW 20	MIC 3	488S 132	227E S	INDP08WT
22	976 521	-90	SNNU	INDP 08	TOW 21	MIC 3	414S 132	177E S	INDP08WT
25	9761540	-90	SNNU	INDP 08	TOW 22	MIC 3	28N 128	211E S	INDP08WT
26	976 735	-90	SNNU	INDP 08	TOW 23	MIC 4	488N 131	88E S	INDP08WT
26	9761443	-90	SNNU	INDP 08	TOW 24	MIC 5	316N 132	247E S	INDP08WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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*** CURRENT MEASUREMENT *** - SARILEE ANDERSON (EXT. 2055)

24	976	205	-90	CMAB	01 1007 G900	SRA	1 496S 127	8E S	INDP08WT
24	976	338	-90	CMAB	02 1016 G901	SRA	1 485S 126	587E S	INDP08WT
24	976	548	-90	CMAB	03 1028 G902	SRA	1 462S 126	553E S	INDP08WT

MARINE VERTEBRATE CURATOR - R.H.ROSENBLATT (EXT.2199)

*** MIDWATER TRAWL ***

19	976	1920	-90	TMIK B	MIDWATER TRAWL 6	MVC	5 214S 133	343E S	INDP08WT
20	976	100	-90	TMIK E	MIDWATER TRAWL 6	MVC	5 307S 133	473E S	INDP08WT

BATHY THERMOGRAPH CURATOR CAROL CONWAY (EXT.3368)

0	3	976		BTX	NO. SAMPLES = 1	DCP	10 596S 129	315E S	INDP08WT
0	5	976		BTX	NO. SAMPLES = 1	DCP	9 213S 128	388E S	INDP08WT
0	6	976		BTX	NO. SAMPLES = 1	DCP	8 541S 129	281E S	INDP08WT
0	7	976		BTX	NO. SAMPLES = 1	DCP	6 584S 128	508E S	INDP08WT
0	8	976		BTX	NO. SAMPLES = 2	DCP	4 272S 128	50E S	INDP08WT
0	9	976		BTX	NO. SAMPLES = 2	DCP	3 458S 129	343E S	INDP08WT
0	10	976		BTX	NO. SAMPLES = 1	DCP	4 330S 130	472E S	INDP08WT
0	11	976		BTX	NO. SAMPLES = 2	DCP	6 32S 130	574E S	INDP08WT
0	12	976		BTX	NO. SAMPLES = 2	DCP	6 594S 129	484E S	INDP08WT
0	13	976		BTX	NO. SAMPLES = 1	DCP	7 316S 130	443E S	INDP08WT
0	14	976		BTX	NO. SAMPLES = 1	DCP	8 333S 131	20E S	INDP08WT
0	16	976		BTX	NO. SAMPLES = 1	DCP	5 516S 135	255E S	INDP08WT
0	17	976		BTX	NO. SAMPLES = 1	DCP	4 402S 135	297E S	INDP08WT
0	18	976		BTX	NO. SAMPLES = 1	DCP	5 592S 133	331E S	INDP08WT
0	19	976		BTX	NO. SAMPLES = 1	DCP	5 560S 133	247E S	INDP08WT
0	20	976		BTX	NO. SAMPLES = 2	DCP	5 130S 132	438E S	INDP08WT
0	21	976		BTX	NO. SAMPLES = 1	DCP	4 70S 131	365E S	INDP08WT
0	22	976		BTX	NO. SAMPLES = 2	DCP	3 198S 131	587E S	INDP08WT
0	25	976		BTX	NO. SAMPLES = 1	DCP	2 156N 127	164E S	INDP08WT